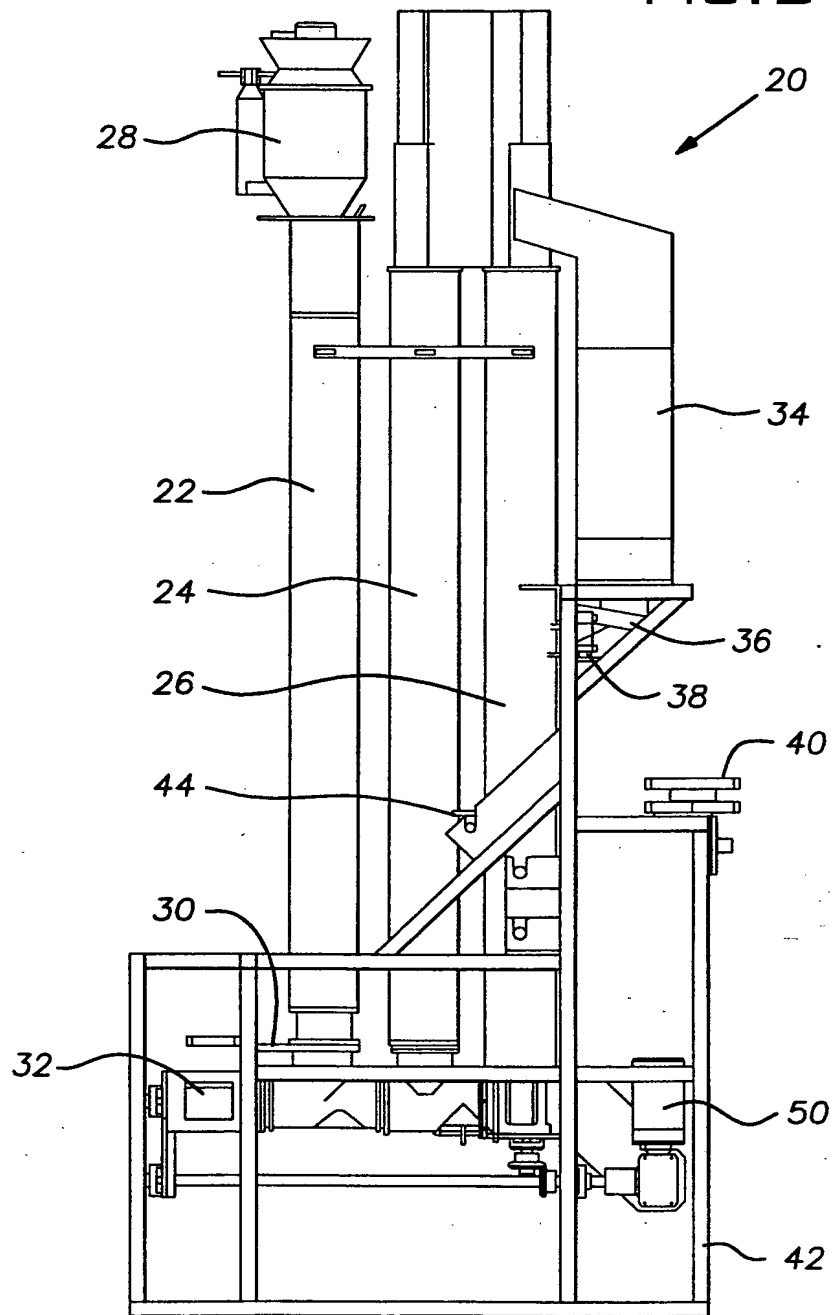


FIG. 1

FIG. 2



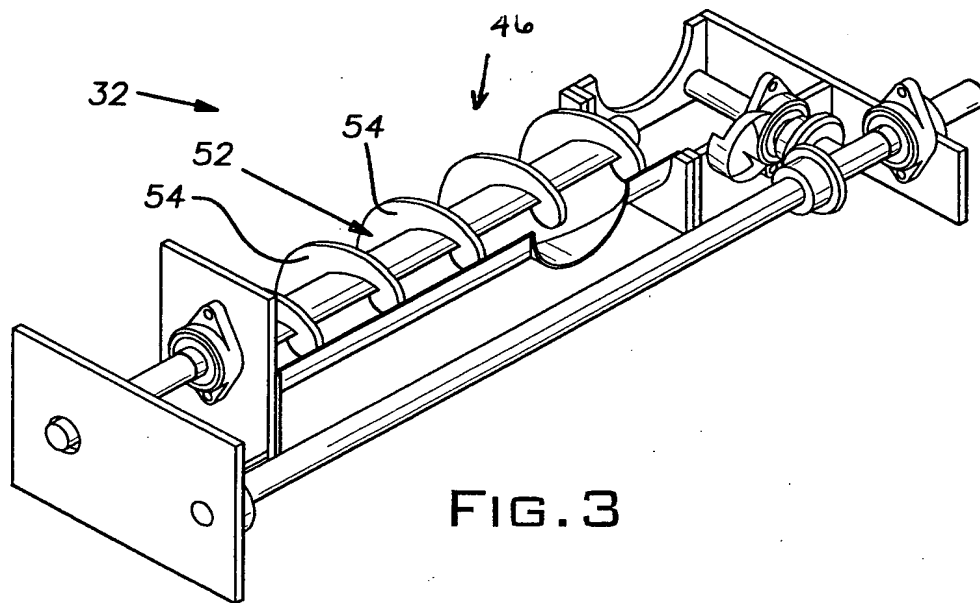


FIG. 3

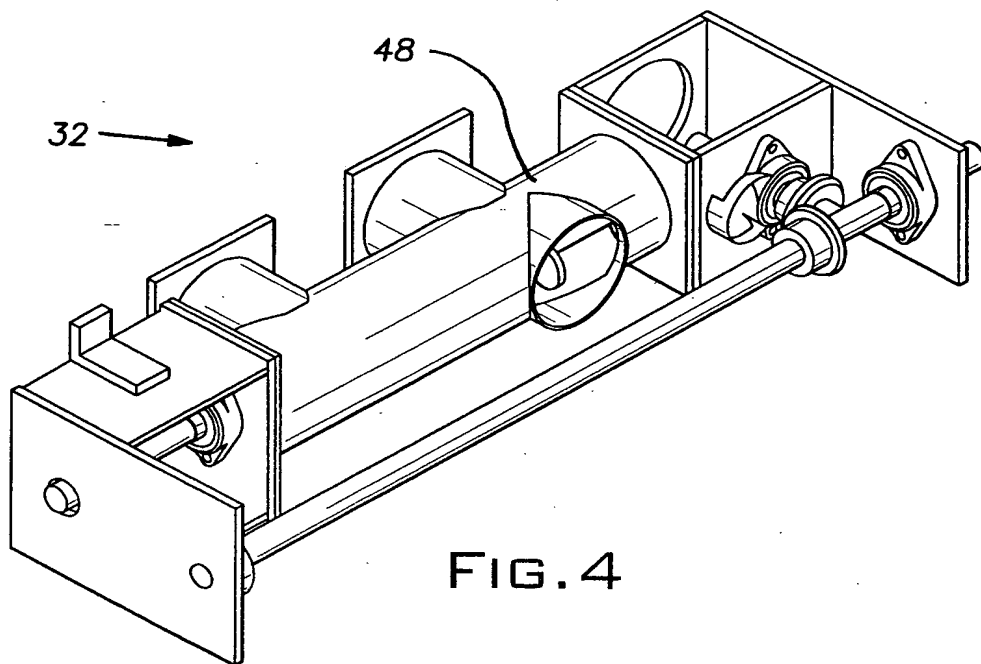
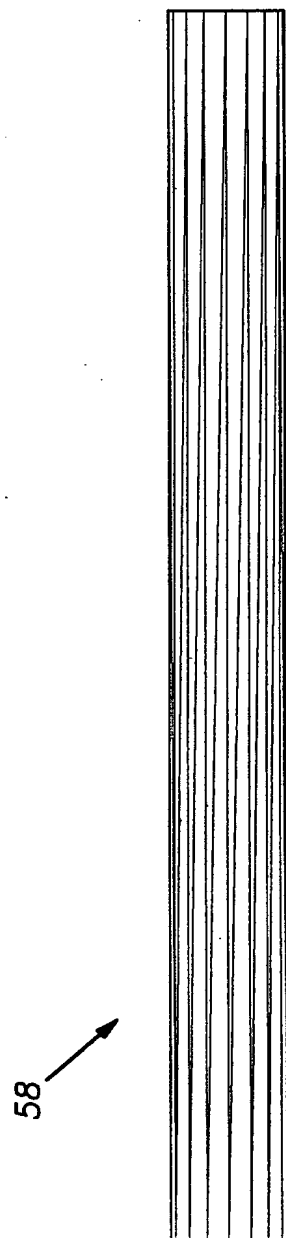
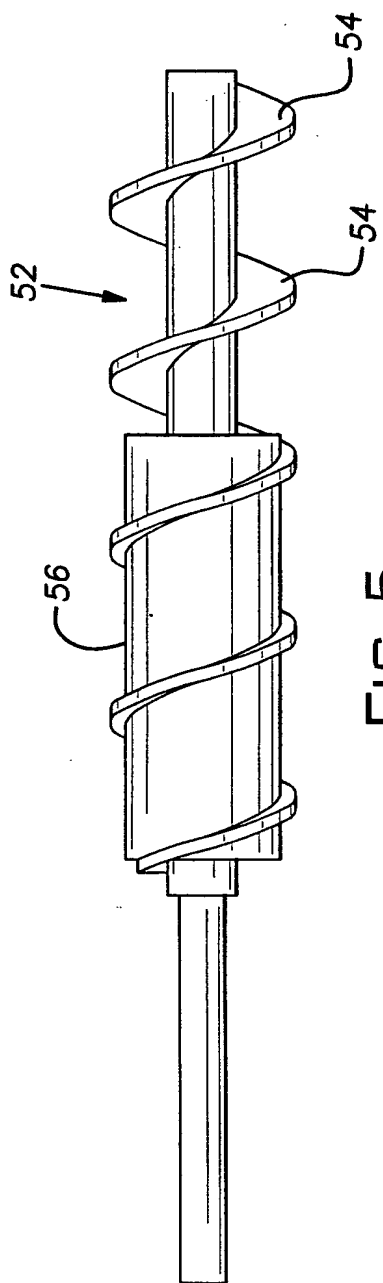


FIG. 4



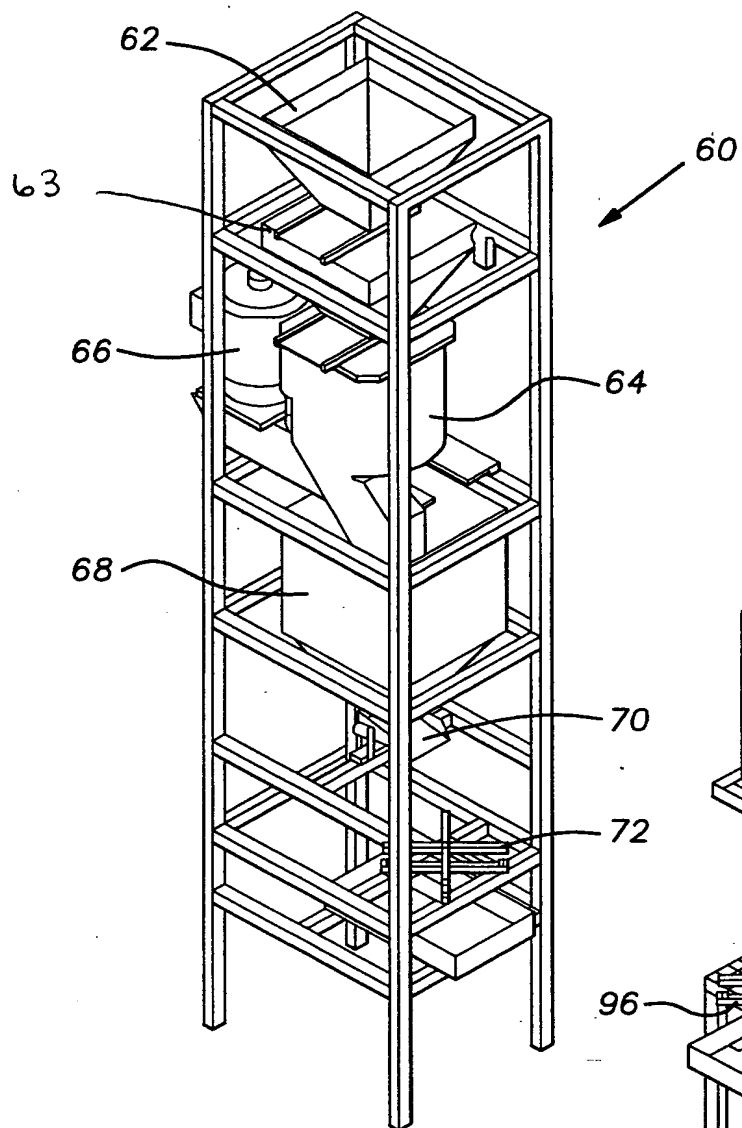


FIG. 7

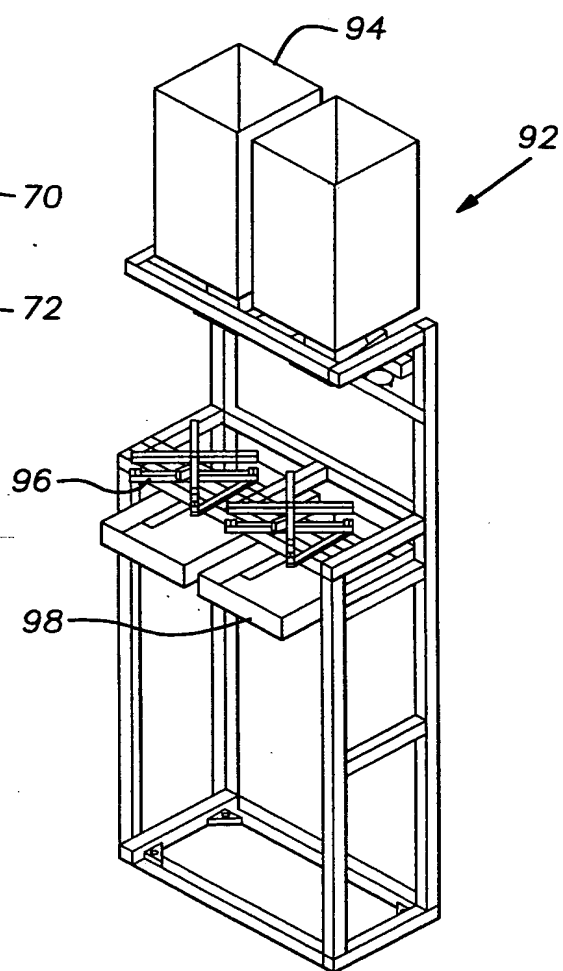
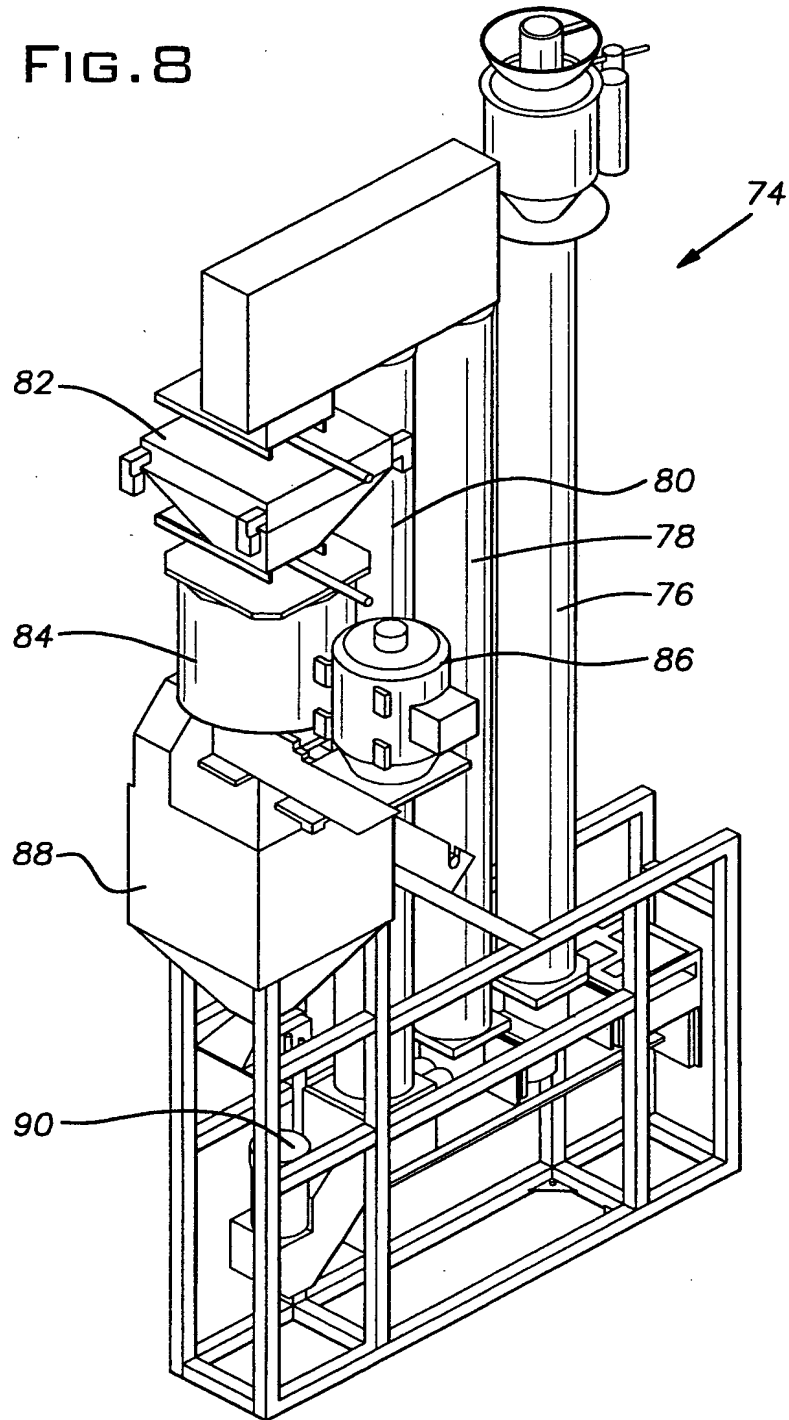


FIG. 9

FIG. 8



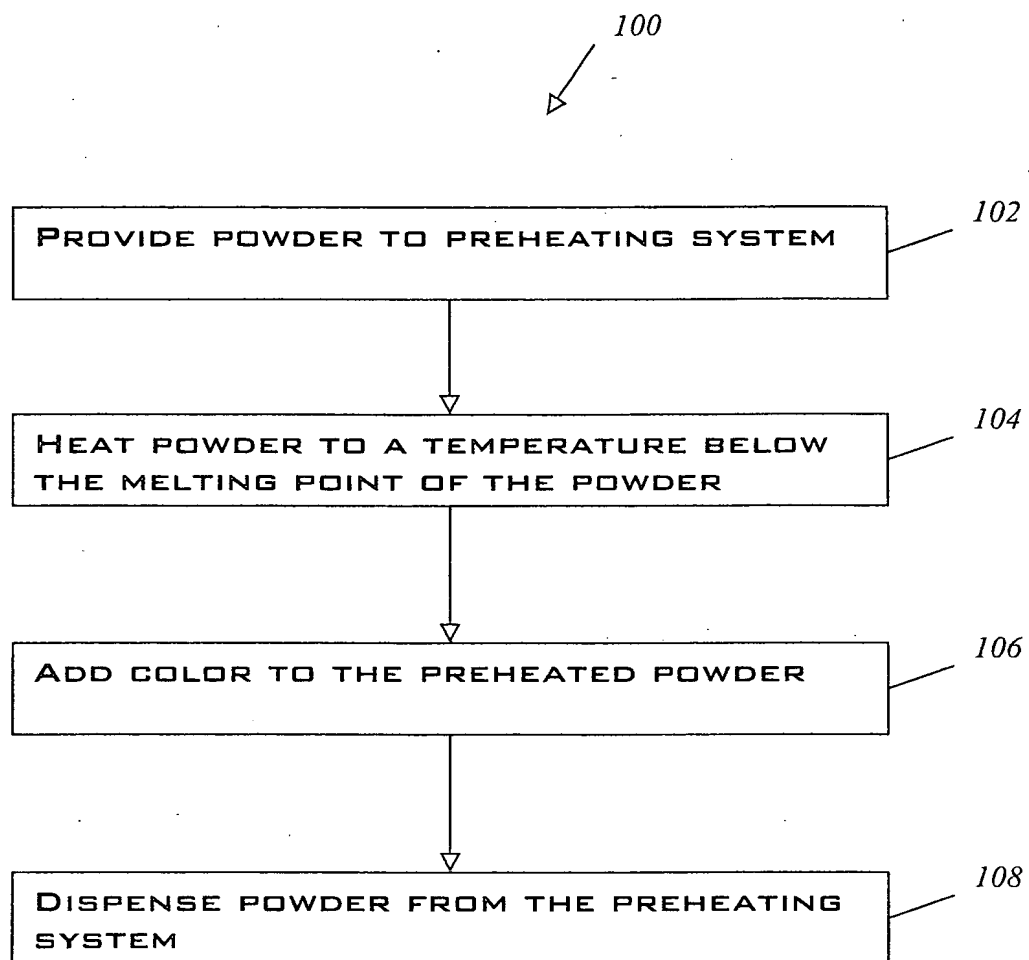
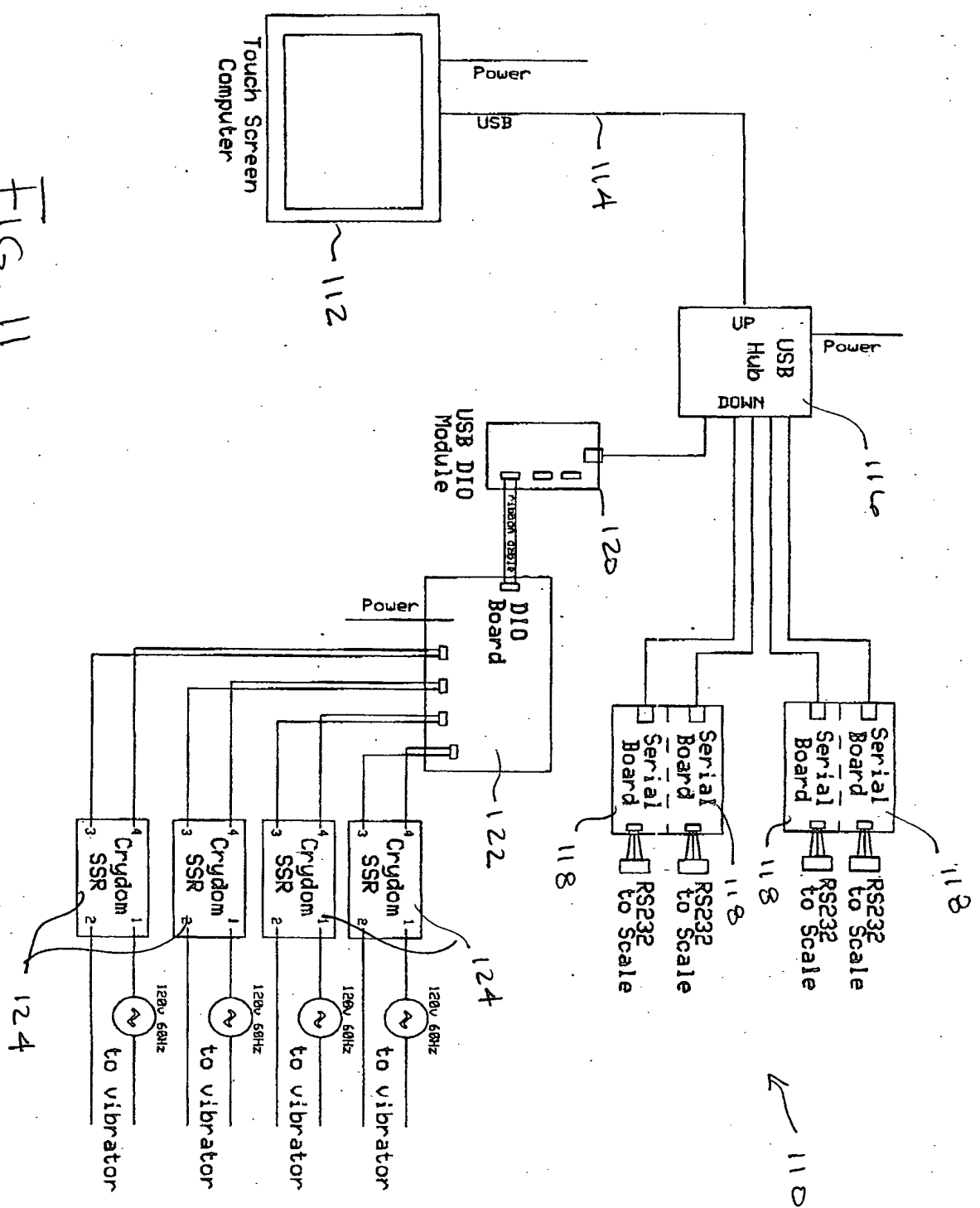
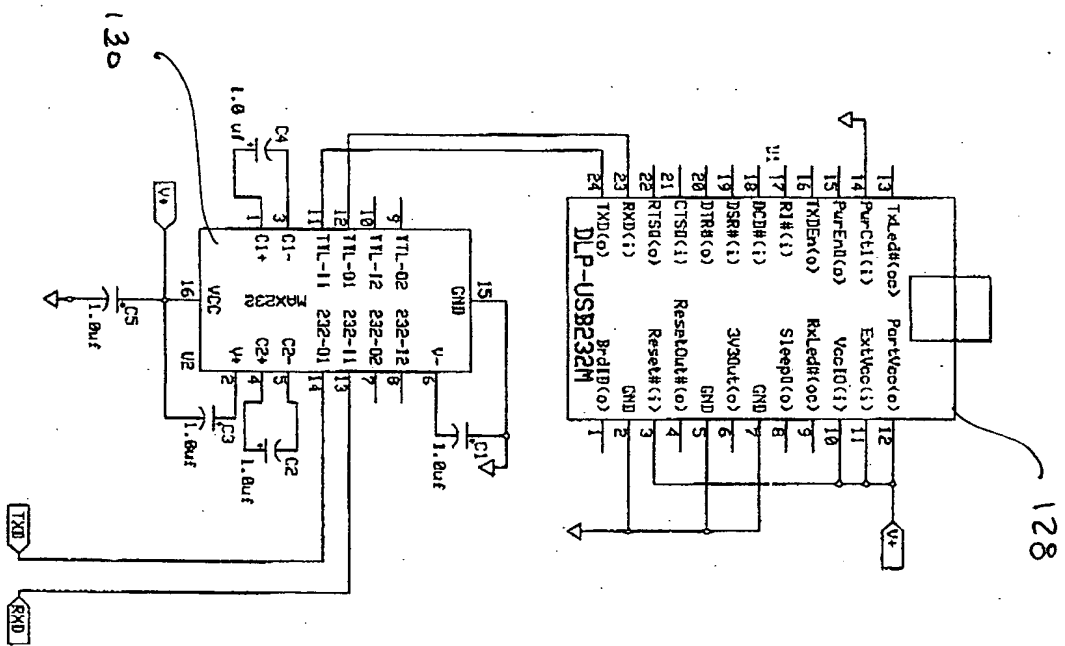


FIG. 10

FIG. 11

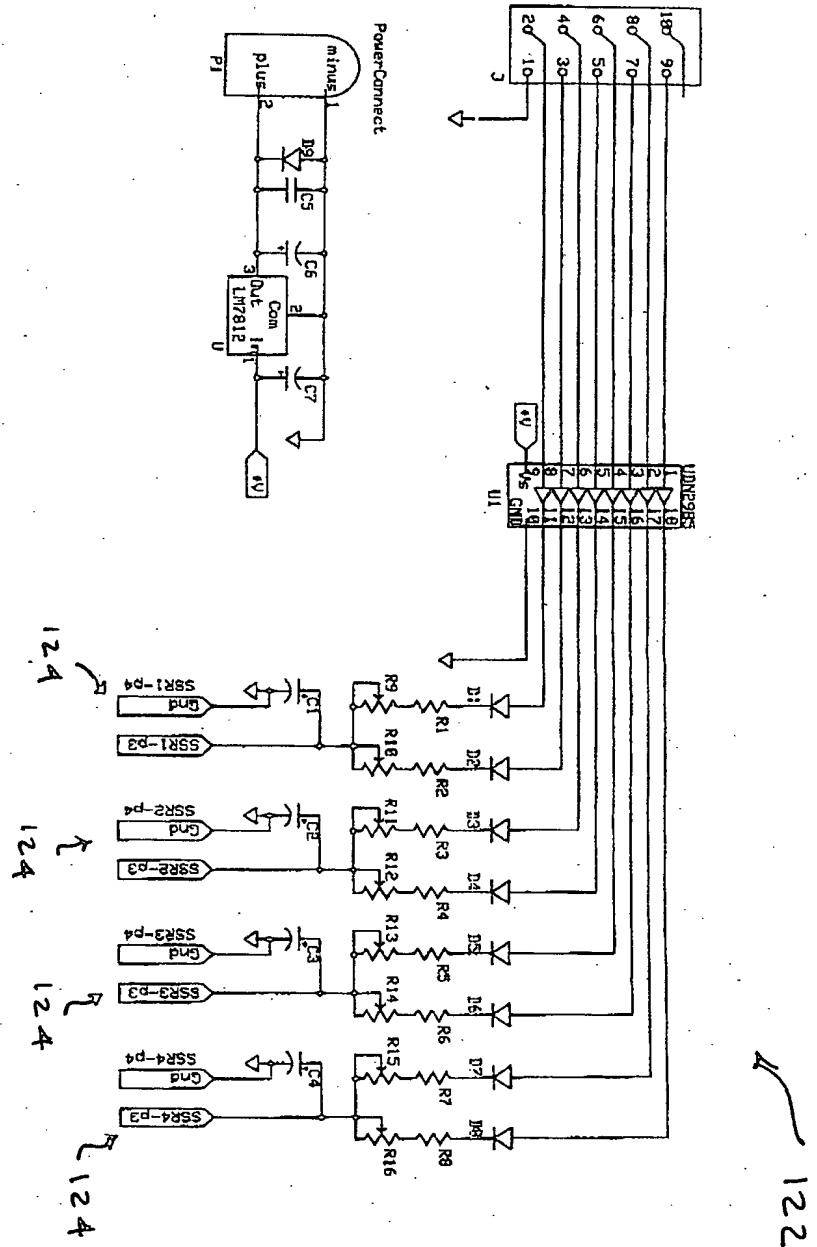




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+16.12

D1 - D9: 1N4001
 R1, R3, R5, R7: 460 ohms, 5% 1/2 watt
 R2, R4, R6, R8: 220 ohms, 5% 1/2 watt
 R9 - R16: 1K ohm pot, 1/2 watt
 C1 - C4: 3.3 uF
 C5: .047 uF
 C6, C7: 3.3 uF



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